

# **2009 Construction Season in Puget Sound**

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# 2009 Season What Makes it Different?

- February – October
- Overlapping work zones in downtown Seattle, back-to-back work zones in Bellevue.
- WSDOT, SDOT, and Sound Transit all have significant lane, ramp and road closures within 10 miles of each other at times.
- Major, high impact closures will affect all drivers: daily commuters, weekend travelers, freight, and nighttime drivers.
- Major construction and road closures on all four major travel routes in King County: I-5, I-90, SR 520 and I-405.
- Nearly every driver will encounter orange barrels this year.
- Significant work outside the Seattle / Bellevue core as well.
- More construction dollars will be spent this construction season than ever before in both the improvement and preservation programs.

# High Impact Projects in 2009

## I-5 – Boeing Access Road to King/Snohomish County Line Pavement Repair

- Northbound and southbound closures of I-5 within the 18 miles between South Boeing Access Road and the King/Snohomish county line.
- Repair the worst 450 broken concrete panels within this area.
- Grind the worst 18 miles of pavement within the area.



# I-5 – Boeing Access Road to King/ Snohomish County Line Pavement Repair

- Grind up to ¼ inch off the surface of the road.
- Bumpy, uneven pavement affects drainage, creates rough rides and leads to more cracked concrete panels.
- More complaints are from drivers about our bumpy, rough roads than anything else.



*Our patch repairs to I-5 also contribute to the bumpy ride.*

# I-5 – Boeing Access Road to King/ Snohomish County Line Pavement Repair

- Replace the worst 450 of 16,000 panels.
- Sawcut the 12 X 15 foot panels, remove the concrete and pour new concrete.
- Lengthen the life of the freeway.
- Long-term plan to rehabilitate all of I-5 from Tacoma to Everett is more than a decade away and largely not funded.



*This sawcut grid allows for simple removal and replacement of concrete panels*

# **I-5 – Boeing Access Road to King/ Snohomish County Line Pavement Repair**

- The contract begins in February and ends in October.
- Grinding work
  - Sunday through Thursday at night
  - Lanes begin closing at 7 p.m.
  - 100 nights for grinding
- Concrete panel replacement
  - 12 weekends February - April
  - 56-hours around the clock
  - Lanes close on Friday, 7 p.m. and reopen Monday at 5 a.m.

# High Impact Projects in 2009

## I-90 Homer Hadley Bridge Repair

### May and July closures

- May 4 – 23:  
24 / 7 closure of the center roadway. Peak direction traffic will be reduced from 5 lanes to 3 lanes.
- July 5 – 28:  
24 / 7 closure of the westbound bridge structure. Westbound traffic will be shifted to the center roadway, reducing peak direction traffic from 5 lanes to 2 lanes.





# I-90 Homer Hadley Bridge Repair

- The four expansion joints allow the bridge to flex with traffic, wind, temperature and water.
- The 60 ton expansion joints have been cracking.



Our bridge crew inspects and repair cracks by welding on a regular basis.



# High Impact Projects in 2009

## SR 519 S. Seattle Intermodal Access – Royal Brougham

- Build new freight, ferry, pedestrian and commuter connections between the waterfront, the stadiums and I-5 and I-90.
- Separate car, freight, pedestrian and rail traffic to improve traffic flow and reduce the risk of collisions.
- Improve traffic for the south end of the Alaskan Way Viaduct replacement project.



# SR 519 S. Seattle Intermodal Access – Royal Brougham

March 2009 – June 2010

- Third Avenue closed between South Royal Brougham Way and South Atlantic Street.

March 2009 – March 2010

- 15 week-long closures of South Royal Brougham Way between Occidental Way South and Fourth Avenue South.
- Closures will avoid major sporting events.



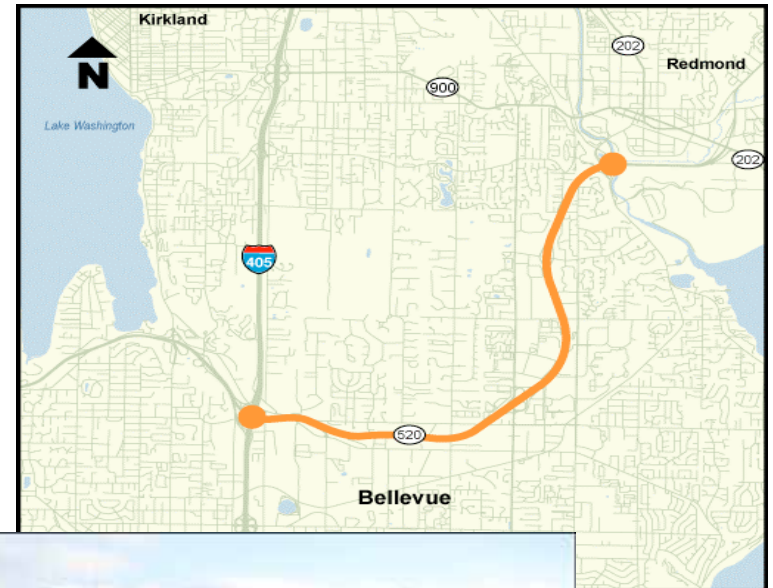
# High Impact Projects in 2009

## SR 520 / I-405 to West Lake Sammamish Parkway Paving

- The asphalt pavement is settling and crumbling in places.
- We will replace the asphalt leading up to bridges with concrete approach slabs to create a better ride and longer lasting road surface.

**March and April:** Crews will close lanes for eight weekends on SR 520 between I-405 and West Lake Sammamish Parkway.

*This shows the transition of the asphalt pavement to the concrete bridge. The asphalt is settling and creates a jarring bump between the road and the bridge.*



# High Impact Projects in 2009

## Sound Transit's U-Link Light Rail under I-5

### June 2009 – June 2010

- Sound Transit will reinforce structures under I-5 to prepare for drilling under the freeway.
- The Sound Transit project will close the northbound I-5 Olive Way off-ramp and dedicate the express lane Pike / Pine reversible off-ramp to southbound transit only for one year.
- The northbound Cherry Street on-ramp will close for one month.





# High Impact Projects in 2009

WSDOT's major projects outside Seattle / Bellevue area

- The Hood Canal Bridge will close for six weeks in May 2009 to bring in new east half of the bridge.
- Nighttime paving on 18 miles of I-5 in Snohomish and Skagit counties.
- Replace 10 miles of cable median barrier on northbound I-5 in Marysville with concrete barrier.



# High Impact Projects in 2009

## SR 16 Westbound Nalley Valley

- Rebuilding the I-5 / SR 16 Nalley Valley interchange to add capacity and reduce congestion.
- The ramps that connect Sprague Avenue to SR 16 were closed this month for two years.



*This is what the interchange will look like when it's complete in 2011.*



# High Impact Projects in 2009

## I-405 South Bellevue Widening

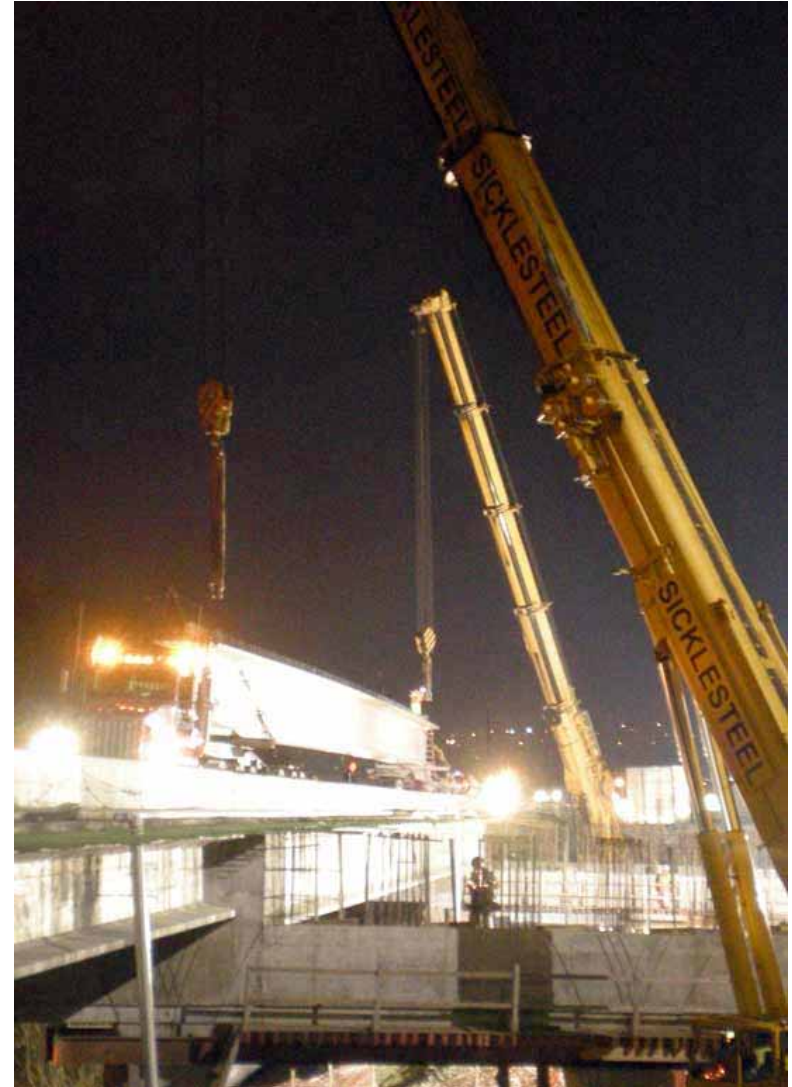
- Continue work to add more lanes between 112<sup>th</sup> Avenue SE and SE Eighth Street.
- Build new bridge over I-90.
- Create new separated dedicated northbound HOV lane.
- Nighttime closures.
- Open to traffic: fall 2009.



# High Impact Projects in 2009

## I-405 Renton Widening – Stage 1 and 2

- Add lanes to I-405 in both directions between I-5 and SR 167.
- Increase general purpose lane capacity by 50%.
- Lane closures limited to nights and weekends.
- Stage 1 open to traffic: 2010
- Stage 2 open to traffic: 2011



*Crews building new, wider Oakesdale bridge*

# High Impact Projects in 2009

Talking to the public – what WSDOT is doing

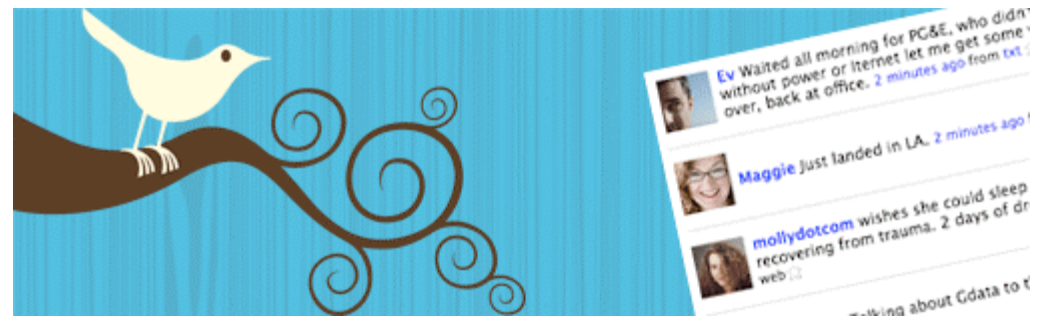
[www.wsdot.wa.gov/construction/2009](http://www.wsdot.wa.gov/construction/2009)

- Community meetings
- Enhanced, coordinated, traffic-oriented, up-to-the minute, Web site
- Interactive media tools like Twitter, E-mail alerts, blogs, YouTube videos and photo pages



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# High Impact Projects in 2009

What have we done to help drivers?

- ✓ Extensive coordination and careful scheduling among agencies.
- ✓ Planning for more than a year for biggest projects.
- ✓ Extensive outreach.
  
- ❑ Write smart contracts that minimize lane closures and perform most work at night and on weekends when travel is lightest.
- ❑ Incentives to get in, get the work done and get out.

# Questions?

For more information on the 2009 Puget Sound Construction Season, please contact:

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